AMENDMENTS TO THE CLAIMS

1-28   (Cancelled)

29.   (New) A computer implemented method, comprising:

extracting first document identifying data from text of a document;

extracting second document identifying data from spoken words; and

storing said first and second document identifying data as metadata associated with said document.

30.   (New) The computer implemented method of claim 29 wherein said spoken words describe text in said document.

31.   (New) The computer implemented method of claim 29 wherein said spoken words describe images in said document.

32.   (New) The computer implemented method of claim 29 wherein the spoken words are spoken commentary.

33.   (New) The computer implemented method of claim 29 further comprising:

storing in a memory a plurality of said documents and associated said metadata; and

retrieving a desired one of said plurality of document by, in part, identifying said desired document from a portion of its associated said metadata.

34.   (New) A method of identifying and retrieving files comprising:

identifying content characteristics of a file using a processing engine that analyzes content of said file;

converting spoken words to data descriptive of file content;

storing, with said file, said content characteristics and said descriptive data; and

retrieving, accessing, or identifying said file using said content characteristics or said descriptive data.

35.   (New) The method of claim 34 wherein said content characteristics is textual information generated using an image recognition system.

36.   (New) the method of claim 34 wherein said content characteristics are keywords associated with a textual portion of said file.

37.   (New) The method of claim 34 wherein said descriptive data is textual information generated using a speech recognition engine.

38.   (New) The method of claim 34 further comprising:
creating a database comprising:

     a plurality of said files; and

     metadata comprising said content characteristics and descriptive data of each said file.

39.   (New) The method of claim 39 wherein each said file is identifiable, accessible, or retrievable using said content characteristics or said descriptive data.

40.   (New) A text file retrieval system, said system comprising:
a semantics processing engine extracting keywords associated with a text file;
a speech recognition engine converting spoken words describing content in said text file into file descriptive data; and
a data structure, stored with said text file in a memory, comprising said keywords and said descriptive data, and used by said text file retrieval system to identify said text file.

41.   (New) The text file retrieval system of claim 40 further comprising:
a search engine configured to search for said keywords or said descriptive data so as to identify files associated with said keywords and said descriptive data.

42.   (New) The text file retrieval system of claim 40 further comprising:
a character recognition engine configured to generate said text file from a scanned document.

43.   (New) The text file retrieval system of claim 42 wherein said text file also contains image data, said system further comprising:
     an optical recognition engine generating textual data associated with characteristics of said image data; and

     wherein said data structure further comprises said textual data.

44.   (New) An image file retrieval system, said system comprising:

an optical recognition engine extracting characteristics of said image file;

a speech recognition engine converting spoken words into data describing the content of said image file; and

a data structure, stored with said image file in a memory, comprising said characteristics and said content describing data, and used by said image file retrieving system for identifying said image file.

45.   (New) The image file retrieval system of claim 44 further comprising:

a search engine configured to search for said characteristics or said content describing data so as to identify files associated with said characteristics or said content describing data.

46.   (New) The image file retrieval system of claim 44 wherein said image file has associated text data, and further comprising:

a semantics processing engine extracting keywords associated with said text data.

47.   (New) The image file retrieval system of claim 47 wherein said text data describes the content of said image file and is entered by a user.

48.   (New) The image file retrieval system of claim 48 wherein said data structure further comprises said keywords.

49.   (New) The image file retrieval system of claim 49 further comprising:

a search engine configured to search for said characteristics, said content describing data, or said keywords so as to identify said file associated with said characteristics, said content describing data, or said keywords.